

# آزمون کارشناسی ارشد وزارت بهداشت سال ۱۳۹۶

فایل سوالات

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**Part One:  
Reading Comprehension**

**Directions**

*Directions: read the following passages carefully. Each Passage is followed by some questions. Complete the questions with the most suitable words or phrases (a. b. c. or d). Base your answers on the information given in the passage only.*

**Passage One**

Folk or traditional medicine originated from primitive man's reactions or attitudes to natural events. Magic and witchcraft played an important role here. In these societies, where witchcraft and religious beliefs were of great importance, disease and health were explained by external factors penetrating and harming the body. People's efforts to find solutions to these diseases set up the basis of folk medicine. Consequently, in traditional societies, opinions on disease and health were born as a part of folk culture. For this reason, practices related to this issue are the realm of anthropology, ethnology and sociology, while technical analysis falls under the disciplines of medicine and pharmacology.

Folk medicine is different from modern medicine. Traditional medicine lives among the people as a part of their culture. In traditional societies, any information about a disease is shared by others. This information is passed through the generations. People learn popular medicine in the same way as they learn other cultural components.

**1. According to the first paragraph, magic and witchcraft..... folk or traditional medicine.**

- a) have contributed to the development of
- b) have served as substitutes for
- c) developed soon after the emergence of
- d) are claimed to be synonymous with

**2. The underlined word "these societies", paragraph 1 line 2, refers to..... people.**

- a) folk
- b) non-native
- c) unsettled
- d) primitive

**3. In folk medicine, disease was supposed to be due to..... the sick body.**

- a) people's efforts to recover
- b) witchcraft's intervention to heal
- c) the entrance of foreign elements into
- d) the departure of certain factors from

**4. The role played by folk culture to develop traditional medicine..... witchcrafts and magicians.**

- a) was largely comparable to the role played by
- b) was mostly at odds with the performance of
- c) contributed to the emergence of
- d) was to replace rituals followed by

**5. Traditional medicine seems to be successful in..... people.**

- a) offering successful teaching to
- b) developing rapport with
- c) establishing scholarly link with
- d) deemphasizing cultural values of

### Passage Two

The long-term goal of formal education is presumably not learning a given set of “truths” but to develop the capacity and interest for learning on one’s own (autonomously) long after formal educational episode. Yet there is also the learning of older lessons, facts, and theories so that each learner can cultivate and build upon the accumulated learnings of the past without having to start from scratch. Unfortunately, that part of the educational process often comes to be seen as the whole, and education is then conceptualized as the transfer of knowledge from the active and knowing teacher to the passive and unknowing student. While the student may successfully acquire and reproduce some past knowledge, the dynamics of the “educational process” tend to impede the development of the capacity for and interest in autonomous learning.

The “help” provided by the teacher in this sort of “transfer” or “dissemination” version of education prevents self-help and self-reliance on the part of the learner. The problem of “helping self-help” is not some minor difficulty in educational practice; it is a fundamental conundrum or problem common to all helper-doer relationships, the teacher-student relationship being only one example. In education, this helping conundrum occurs in various forms as the “learning paradox.”

**6. It is said that formal education should .....**

- a) be based on one’s background knowledge
- b) be based on truth and reality
- c) end in learning on one's own
- d) provide a balance between the teacher and learner

**7. It is stated that the transfer of knowledge from the teacher to the learner .....**

- a) accelerates the learner's self-reliance
- b) makes active learners more interested
- c) facilitates the process of learning
- d) hinders autonomous learning

**8. The author states that.....is considered as the whole.**

- a) the knowledge given by the teacher
- b) what the learners acquire through their education
- c) the educational process followed by the students
- d) the development of autonomous learning

**9. The process of “helping self-help” .....**

- a) can lead to the development of the student’s capacity
- b) is mentioned by the writer as a confusing problem
- c) can help the teachers to stimulate the students to learn
- d) tends to be a facilitator rather than a barrier

**10. The “learning paradox” mentioned in the last sentence refers to the .....**

- a) teacher’s help which may hinder autonomous learning
- b) students’ acquisition of knowledge on their own
- c) development of self-reliance on behalf of the students
- d) accumulated learning of the past by the students

### Passage Three

There has never been a more exciting time to be a doctor. Advances in medical science are allowing doctors to understand human biology, diagnose diseases and ultimately treat patients in ways that would have been unimaginable a few years ago.

There are many reasons why medicine continues to attract the most talented university applicants. The

profession offers the respect and trust of the public, a team-based work environment, intellectually challenging cases and great job security. However, the best rewards remain using your abilities to alleviate the suffering of those in the greatest need and witnessing the results.

Winning a place at medical school is the first step to joining this fascinating profession. The selection process is long, complicated and intensely competitive, so that only the most capable become doctors and care for patients.

Earning your place at medical school requires a lot more than just passing exams; at each stage, you need to prove that you have the qualities and aptitudes required to be a good doctor. A more experienced doctor may help you through the application process and show you how to reach your full potential every step of the way, how to choose the medical school and send them a clear message that you are the right applicant for their course.

**11. The writer believes that recent advances in medical treatment have been .....**

- a) unprecedented      b) unprejudiced      c) detrimental      d) depressing

**12. One reason that most gifted university candidates are attracted to medical science is the considerable.....they would have in their jobs.**

- a) income      b) stability      c) imagination      d) fascination

**13. Admission to a medical school is very difficult for.....applicants.**

- a) most talented      b) very capable  
c) gifted      d) average

**14. We understand from the passage that students' progress at medical school is .....**

- a) taken for granted      b) easier than expected  
c) being regularly monitored      d) the same as passing exams

**15. Medical applicants can realize their full potential with the help of .....**

- a) themselves      b) an experienced doctor  
c) the entrance exam      d) their personal aptitude

#### Passage Four

Internet gaming disorder involves persistent use of Internet games leading to distress or problems functioning. Among the specific symptoms are preoccupation with Internet games, unsuccessful attempts to limit participation, loss of interest in other activities, deceiving others about the amount of time spent on games, and problems in relationships, school or work because of Internet games. While research is limited, a 2016 study looking at adults who participated in Internet gaming found that almost 14 percent were identified as at risk of internet gaming disorder. Among those identified as at risk, most were men in their 20 and 30s, the rest were women, and most had full time jobs. About 60 percent played online games 2-4 hours a day and more than 15 percent played more than 4 hours a day. Research has also found that people meeting the criteria for Internet gaming disorder can experience symptoms similar to those with substance use disorders, such as building up a tolerance (needing more) and experiencing withdrawal symptoms when pulled away from gaming. There is still much uncertainty and disagreement among experts about overuse of the internet, the symptoms, how to measure it and even the language used to describe it. Yet many people are experiencing problems and many parents are concerned about their children. As technology continues to evolve, further research may help clarify these questions and identify tools to help families.

**16. The underlying cause of behavioral problems among those suffering from Internet game disorder is the desire for .....**

- a) deceiving people around them  
b) spending a lot of time for games  
c) avoiding problems in relationships  
d) losing interest in daily activities

17. The underlined word "those" refers to .....

- a) full time jobs
- b) disorders
- c) games
- d) adult participants

18. According to the research study on active games, conducted in 2016, .....

- a) more than half of the subjects played 2-4 hours a day
- b) less than 2 percent of the subjects played 2-4 hours a day
- c) 14 percent of men were in their 20-30s
- d) 14 percent of the women had full time jobs

19. The writer suggests that the internet gamers .....

- a) easily withdraw from gaming habits and behavioral problems
- b) have tolerance to substance abuse
- c) show behavior similar to substance addicts
- d) express disagreement when playing online games

20. It is understood from the passage that.....the Internet gaming disorder.

- a) the findings are conclusive on
- b) parents are hopeful as the results are promising on
- c) there is a controversy on the concept of
- d) technology will help find a reliable definition for

## Part Two Vocabulary

### Direction

Complete following sentences by choosing the best answer.

21. There are different ways to ..... infections; the most important ones are likely to be hygiene and vaccination.

- a) diffuse
- b) contain
- c) detect
- d) induce

22. The author's recent book ..... a comprehensive summary of the current research on creativity; everybody is recommended to read it.

- a) maintains
- b) excludes
- c) impedes
- d) represents

23. In order to ..... the patient's health, the physician prescribed an MR and a lab test.

- a) assess
- b) alleviate
- c) diminish
- d) reinforce

24. Acquiring further education ..... the health professional's career and qualifies the individual for upper- management positions.

- a) abandons
- b) impedes
- c) interferes with
- d) contributes to

25. More and more research supports the idea that individuals must develop in-depth in ..... order to be creative and innovative.

- a) implication
- b) application
- c) expertise
- d) compromise

26. She had to consult her family physician for ..... back pain which resisted painkillers.

- a) soothing
- b) trivial
- c) persistent
- d) conforming

**27. Due to his parents' collaboration, he could win the competition: otherwise, he could not have .....so much.**

- a) inherited                      b) survived                      c) started                      d) accomplished

**28. It is difficult for your organization to handle the two projects simultaneously; you need the ..... of another organization.**

- a) intrusion    b) negligence  
c) collaboration    d) contention

**29. I have many dreams; I hope my ..... will someday become a reality.**

- a) aspirations                      b) superstitions                      c) promotions                      d) prescriptions

**30. As the committee has ..... the two sessions, the members have to attend just one session.**

- a) integrated                      b) terminated                      c) substantiated                      d) initiated

**31. If you use the term "female pilot" instead of simply "pilot", you ..... that there is a difference between male and female pilots.**

- a) avoid                      b) imply                      c) condemn                      d) swear

**32. The student found that the most important ..... causing his academic loss was his lack of interest in his field of study.**

- a) determinant    b) incentive  
c) inquiry    d) persuasion

**33. The results of the meeting showed a general ..... the price of health services.**

- a) consensus on    b) commitment to  
c) contribution to    d) confession on

**34. When tremor is minimal, patients are often able to .....it by resting their hands on a table or the arms of a chair.**

- a) fluctuate                      b) alleviate                      c) aggravate                      d) illustrate

**35. After the car accident, the patient suffered a loss of sensation in her feet; she was Experiencing .....**

- a) hypertension    b) hyperventilation  
c) dizziness    d) numbness

**36. Recent research shows that active people seem to live longer than similar but ..... people.**

- a) courageous    b) sedentary  
c) gloomy    d) conservative

**37. Adult-onset diabetes ..... millions of people throughout the world.**

- a) orients                      b) afflicts                      c) contracts                      d) mandates

**38. Back, as the scaffolding of the body is so strong that it can ..... hundreds of pounds.**

- a) bend    b) contract  
c) compensate    d) withstand

**39. In spite of much research on mercy killing, there are still some ..... over its ethical issues.**

- a) controversies    b) innovations  
c) burdens    d) incentives



**Part One:**  
**Reading Comprehension**

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*Directions: Read the following passages carefully. Each Passage is followed by some questions. Complete the questions with the most suitable words or phrases (a. b. c. or d).*

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**Passage One**

Just a few years ago, scientists did not know phytochemicals existed. But today they are the new frontier in cancer-prevention research. This pioneering science couldn't have hit at a better time. People are more confused than ever about the link between diet and health: margarine is healthier than butter (or not); oat bran will save you (or won't); a little alcohol will keep heart attacks at bay (but give you breast cancer). Just the effects of the popular vitamins known as antioxidants delivered a decidedly pessimistic message. "We should have a moratorium on unsubstantiated health claims for antioxidants and cancer." says Dr. Julie Buring of Brigham and Women's Hospital in Boston. Amid all the debate, phytochemicals offer the next great hope for a magic pill, one that would go beyond vitamins.

**1. It can be inferred from the paragraph that the pioneering science (line 2) refers to the .....**

- a) discovery of vitamins  
b) discovery of phytochemicals  
c) link between diet and health  
d) new knowledge about antioxidants

**2. The examples provided by the author in the third, fourth and fifth lines show how people are ..... the association of diet and health.**

- a) bored with  
b) supportive of  
c) neutral to  
d) uncertain about

**3. The writer states that the new discovery has .....**

- a) happened at the best possible time  
b) made people confident in previous understanding  
c) resulted in people's trust in scientific findings  
d) been the most influential in health

**4. Studying vitamins, scientists have presented the health impacts of ..... as an example of unverified claims.**

- a) newly discovered magic pills  
b) phytochemicals  
c) antioxidants  
d) margarine, oat bran and alcohol

**5. The underlined word ("one") in the last sentence refers to .....**

- a) antioxidant pill  
b) hot debate  
c) phytochemical pill  
d) great hope



**Passage Two**

The most serious health problem in the world used to be infectious diseases such as typhoid fever, influenza (flu), and plague. In the 14<sup>th</sup> century for example, an epidemic of plague killed roughly one-third of the population of Asia and about half of the population of Europe. A flu epidemic in 1918 killed millions of people around the world. Today, however, vaccines and antibiotics have prevented the spread of many serious diseases. In fact, in many parts of the world today, infectious diseases are no longer considered to be the most serious health problem. However, today the number-one health problem in most countries is a new epidemic: the obesity.

Two major reasons may be conceived for obesity. An obvious contributing factor is the sedentary lifestyle that many people in the 21<sup>st</sup> century are leading; getting around by car and working at a desk do not demand much physical activity, which is what people had to do to survive in the past. Now, however, we have to artificially add it to our life. A second cause of the obesity epidemic is an increase in the availability and consumption of junk foods, defined as "foods which provide calories primarily through fats or added sugars and have minimum amounts of vitamins and minerals". Studies have shown that people are consuming substantially more calories daily than they used to, and they are consuming many of those calories outside of regular meals.

**6. It is stated in the passage that infectious diseases .....**

- a) tend to be the most serious health problem
- b) failed to be considered epidemic in the past
- c) used to kill half of the population world-wide
- d) are currently less health threatening than before

**7. The second paragraph mainly discusses .....**

- a) the definition of obesity
- b) the reasons why people turn to junk food
- c) why people get overweight
- d) how obesity is becoming a serious health problem

**8. According to the passage, people in the 21st century are.....to lead a healthy lifestyle.**

- a) advised to get around by car
- b) required to do physical activity
- c) practically engaged in doing exercise
- d) recommended to underestimate physical activity

**9. According to the passage, .....**

- a) infectious diseases are the most threatening diseases today
- b) obesity used to be prevalent in the 20<sup>th</sup> century
- c) obesity is regarded as a significant health problem worldwide
- d) fast foods contribute more to obesity than sedentary life does

**10. A suitable title for the passage would be .....**

- a) A new epidemic and its causes
- b) Modern lifestyle and diseases
- c) Obesity: a problem in developed countries
- d) Infections are more serious than expected

### Passage Three

It is paradoxical that despite extensive advances in literacy and education as well as vastly improved methods of communication, there still exists a great gap between the existing medical and health protective knowledge and the public's acceptance and use of it. Professional journals are replete with reports, surveys of school children, college students and the adult public that present discouraging and embarrassing evidence of failure in this field. Many parents, for instance, still do not obtain immunization for their children and many drivers still invite injury and death by drinking and driving, and not using belts. The use of cigarettes and patent medicines is still widespread. One of the handicaps of public health work, of course, is the absence of pain and urgency.

**11. According to this passage, many of the articles published in health journals suggest .....**

- a) proper growth and development in public health
- b) inadequate health education among the public
- c) more dropouts of school and college students
- d) deterioration of lifestyle due to modern technology

**12. A factor hindering the success of public health is said to be..... .**

- a) lack of interest in applying health education findings
- b) the occurrence and prevalence of epidemics
- c) use of cigarettes and patent medicines
- d) widespread injury and death all over the world

**13. The writer believes that, in the field of health education, pain .....**

- a) must be eliminated immediately
- b) is discouraging and embarrassing
- c) has been inadequately considered
- d) might be an enhancing factor

**14. The information given about the ignorance of parents and drivers .....**

- a) is an example of lack of good communication methods
- b) supports the author's view of the gap mentioned in the passage
- c) refers to the handicaps of public health workers
- d) is considered the main cause of failure in health literacy

**15. The writer seems to .....**

- a) be critical of education policy
- b) admire the extensive advances in education
- c) suggest some solutions to remove the gap
- d) be indifferent towards public health

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**Passage Four**

Population aging has been accompanied by an epidemiological shift in the leading causes of death from infectious and acute conditions associated with childhood to chronic conditions. A number of factors have been associated with this epidemiological transition: modernization and urbanization (especially improvements in standards of living and education) better nutrition, sanitation, health practices, and medical care.

A project made by WHO suggested that, by 2015, deaths from chronic diseases- such as cancer, hypertension, cardiovascular disease, and diabetes- would increase 17 percent. However, few developing countries have implemented primary prevention programs to encourage those healthy lifestyle choices that would mitigate chronic diseases or delay their onset. Rarely do developing countries have the appropriate medicines or adequate clinical care necessary to treat these diseases.

To encourage a prevention approach. WHO launched in 2002 its innovative Care for Chronic Conditions Framework, aimed at policymakers in the health sector. This framework takes the approach that non-adherence to long-term treatment regimens is fundamentally the failure of health systems to provide appropriate information, support, and ongoing surveillance to reduce the burden of chronic disease. The framework also advises that a prevention approach can mitigate these problems and contribute to healthier lifestyles. Delaying the onset of disability through preventive approaches can both alleviate the growing demand for health care and, more important, improve the quality of life for the elderly.

**16. Acute conditions mentioned in the first paragraph .....**

- a) used to be common in the past
- b) have increased with urbanization
- c) are as common as current chronic conditions
- d) are still common throughout the world

**17. It is stated in the passage that.....can improve the quality of life for the elderly.**

- a) transitional approaches
- b) mitigating infectious conditions
- c) implementing a new health system
- d) ongoing clinical supervision

**18. The necessary step which should be taken by health policy makers is to .....**

- a) focus on both prevention and sustained treatment
- b) alleviate the number of acute diseases
- c) delay the onset of urban life-style
- d) provide appropriate regimens and encourage urbanization

**19. According to the text, prevention can .....**

- a) subject the person to numerous lifestyles
- b) accelerate the onset of long-term regimens
- c) reduce the burden of acute diseases
- d) decrease the burden on the healthcare providers

**20. Many developing countries.....to reduce chronic diseases.**

- a) have recently taken the necessary measures
- b) have failed to provide continuing surveillance
- c) adhere to suitable lifestyle choices
- d) follow the long-term treatment regimens

**Part Two:  
Vocabulary**

**Directions**

*Complete following, sentences by choosing the best answer.*

**21. TV reporters ..... the truth about what had happened in the university campus. They presented a wrong picture of the event.**

- a) distorted                      b) applied                      c) confirmed                      d) reflected

**22. Insufficient foods along with ..... in protein, minerals and vitamins in the diet all affect physical fitness and work capacity.**

- a) concentration                      b) incidence  
c) deficiencies                      d) indications

**23. Increased cholesterol levels in the blood can cause fatty ..... followed by the thickening of the artery walls.**

- a) minerals                      b) deposits                      c) nutrients                      d) substances

**24. Drains should be ..... to carry away fluid which might act as a culture medium for bacteria.**

- a) dispatched                      b) penetrated                      c) perforated                      d) inserted

**25. Lack of appetite ..... His recovery from illness, so he was given a drug to stimulate his appetite.**

- a) hampered                      b) concealed                      c) promoted                      d) accelerated

**26. There are numerous instances indicating that lasers can successfully ..... a given clinical task.**

- a) converse                      b) accomplish                      c) agitate                      d) aggravate

**27. Lung cancer is a(n) ..... disease that comes on slowly and does not have obvious symptoms at first. The person is not aware of its development.**

- a) insidious                      b) precious                      c) lucrative                      d) tentative

**28. The currently used vaccines are live strains.....by several subcultures so as to reduce the virulence of microbes.**

- a) intoxicated                      b) evaporated                      c) attenuated                      d) neutralized

**29. Monitoring of ..... signs most commonly includes blood pressure, heart, pulse and respiratory rates.**

- a) viral                      b) vital                      c) fatal                      d) lethal

**30. After smallpox and cattle plague, polio seems to be the next disease around the world to be successfully ..... by the joint efforts of WHO and UNICEF.**

- a) eradicated                      b) encouraged                      c) released                      d) sustained

**31. For such patients, work or exercise usually ..... the case and may cause congestion and inflammation of important body organs.**

- a) evolves                      b) flourishes                      c) refines                      d) aggravates

**32. People suffering from malnutrition are..... lethargic, bored and depressed.**

- a) optimistic                      b) listless                      c) enthusiastic                      d) tranquil



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**Passage One**

Nurses must be alert in transcribing the physicians' telephone orders because there are periodic contradictions between what physicians claim they ordered and what nurses allege they ordered. Orders should be repeated, once transcribed, for verification purposes. Verification of an order by another nurse on a second telephone is helpful, especially if an order is questionable. Any questionable orders must be verified with the physician initiating the order. Physicians must authenticate their verbal orders. This should be a firm rule of the organization. Nurses who disagree with a physician's order should not carry out an obviously erroneous order. In addition, they should confirm the order with the prescribing physician and report to the supervisor any difficulty in resolving a difference of opinion with the physician.

**1. The first sentence focuses on .....**

- a) physician's role in taking correct telephone orders
- b) significance of taking telephone orders accurately
- c) reasons why orders may be misinterpreted
- d) difference between physicians and nurses

**2. The passage discusses telephone orders to.....**

- a) authenticate physicians' verbal orders
- b) identify nurses' degree of alertness
- c) check physicians' carefulness in ordering
- d) manage the patient's care appropriately

**3. The writer seems to..... the occasional misinterpretation of physicians' telephone orders.**

- a) deny
- b) underestimate
- c) acknowledge
- d) justify

**4. "Verification" is referred to as a means of .....**

- a) asking another nurse to take the order
- b) ensuring the accuracy of the orders transcribed
- c) taking questionable orders to the initiating physician
- d) asking physicians to issue their orders correctly

**5. Nurses are told to .....**

- a) follow exactly what the doctors order
- b) act on their own when the orders are unclear
- c) limit prescriptions to the supervisor's order
- d) avoid following an order which is clearly incorrect

**Passage Two**

Psychologist, Geroe Spilich, decided to find out whether, as many smokers say, smoking helps them to think and concentrate. He put non-smokers, active smokers and smokers deprived of cigarettes through a series of tests. In the first test, each subject sat before a computer screen and pressed a key as soon as he or she recognized a target letter. In this simple test, smokers, deprived smokers and non-smokers performed equally well. The next test was more complex. Non-smokers were faster, but under the stimulation of nicotine, active smokers were faster than deprived smokers. In the third test of short-term memory, non-smokers made the fewest errors, but deprived smokers committed fewer errors than active smokers. In the fourth test, non-smokers were the best and deprived smokers bested those who had smoked a cigarette just before testing. As the tests became more complex, non-smokers performed better than smokers by wider and wider margins.

**6. It is pointed out in the passage that the purpose of George Spilich's experiments was to.....**

- a) test if smoking boosts one's mental capacity
- b) investigate the probable adverse effects of smoking
- c) find out whether smoking affects people's regular performance
- d) examine the difference between the smokers and non-smokers

**7. It is stated in the passage that .....**

- a) active smokers in general performed better than deprived smokers
- b) active smokers responded more quickly than the other subjects in all tests
- c) non-smokers failed to outperform in the first test
- d) deprived smokers gave the slowest responses to the various tasks

**8. George Spilich's experiment was conducted in a way to .....**

- a) check the effectiveness of nicotine on non-smokers
- b) put the subjects through increasingly complex tests
- c) help them take their time to finish the test
- d) force the subjects to recall the words they learned

**9. As opposed to what most smokers say, the results of the tests finally..... the positive effects of smoking.**

- a) confirmed
- b) rejected
- c) failed to cast doubt on
- d) partially approved

**10. As the findings of this study showed .....**

- a) non-smokers outperformed the other groups in all tests
- b) smokers performed weaker than the other groups in all tests
- c) the deprived group performed better than the smokers in the last two tests
- d) smokers functioned worse than the other groups in all tests

**Passage Three**

Moisture is required for indoor mold to grow. Indoor mold damages or destroys whatever substances it grows on. That, plus associated odors, causes diminished quality of life in people who spend time in such spaces. There is considerable disagreement in the scientific community about whether adverse health effects are actually caused by indoor mold, though most seem to agree that spending time in damp/moist environments can contribute to such respiratory illnesses as allergy, asthma, cough, runny nose, and sinus conditions. Whether these illnesses are caused by mold, mold by-products, dust mites, chemicals emitted from deteriorating surfaces, or indoor air pollution, remains a subject for further research.

This may seem like "scientific hair-splitting" to an average person who simply wants to live and work in nuisance-free environments. Whether or not scientists agree on the cause of illnesses that might occur in damp places, or even the definition of dampness, there are abundant reasons to keep indoor environments clean and dry. This process begins with determining the source(s) of excess moisture, taking necessary steps to eliminate those sources, getting rid of mold that may already be in place, and keeping the area dry afterwards to minimize the potential for further growth of mold.

**11. Indoor mold..... its host substances.**

- a) shapes a destructive link with
- b) develops a symbiotic bond with
- c) tends to coexist with
- d) serves as a benefactor for

**12. Scientists..... indoor mold's adverse health effects.**

- a) remain confident about
- b) remain silent on
- c) disagree about
- d) fully approve

**13. The existence of a direct link between damp/moist environments and respiratory problems.....**

- a) has already been confirmed
- b) needs further investigation
- c) is left unattended
- d) is strongly ruled out

**14. The text introduces a set of sanitation measures like eliminating the source of moisture or getting rid of mold to .....**

- a) achieve healthier, mold-free environment
- b) perform further research
- c) remove harmful chemicals from the environment
- d) identify the causes of illnesses

**15. By the term "scientific hair-splitting" (paragraph 2), the writer means..... involved in the process of solving the problem.**

- a) deteriorating surfaces
- b) air pollution
- c) chemical emissions
- d) irrelevant points



**Passage Four**

Douglas McMahon, in a research study, found that mice born and weaned in a winter light cycle showed dramatic disruptions in their biological clocks later in life compared with baby mice born in summer light. "If an imprinting mechanism similar to the one that we found in mice operates in humans, then it could not only have an effect on a number of behavioral disorders, but also have a more general effect on personality," McMahon slated. The researchers used a strain of mice genetically engineered so their biological clock neurons would glow green when activated. Using the glow, the researchers monitored an area called the suprachiasmatic nucleus (SCN), which houses the biological clock.

The mice's behavior was noticed to match up the activity in their SCN's. In the summer- born mice, SCN activity peaked at dusk and continued for 10 hours, coinciding with the animals' running time. The winter-born mice that stayed in winter had an activity peak an hour after dusk that lasted 10 hours. In the winter-born mice that made the season switch, however, biological clock activity peaked two hours before dusk and continued for a whopping 12 hours. McMahon said that the winter-born mice's exaggerated response to season changing was "strikingly similar" to human seasonal affective disorder.

**16. McMahon hopes to find a relationship between .....**

- a) mice and men
- b) birthday and personality
- c) winter light and the biological clock
- d) SCN and green glow of clock neurons

**17. A biological clock is a mechanism in mammals that .....**

- a) regulates their activities
- b) directly affects their personality
- c) causes behavioral disorders
- d) shows no special change in winter light

**18. The results of this research can contribute to a better conceptualization of .....**

- a) the researchers' monitoring of SCN
- b) later life of newborns
- c) seasonal affective disorders
- d) the behavior of winter-born mice

**19. The research implies that winter birth raises the risk for some .....**

- a) mental disorders
- b) seasonal diseases
- c) winter light fluctuations
- d) psychosomatic diseases at certain seasons

**20. An example of disorders aimed at in this research is .....**

- a) the flu
- b) pneumonia
- c) bipolar depression responses
- d) seasonal affective disorders

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**Part Two:  
Vocabulary**

**Directions**

*Complete following sentences by choosing the best answer.*

**21. In epidemiology, a member of a population who is at risk of becoming infected by a disease is a ..... individual.**

- a) susceptible
- b) vigilant
- c) potent
- d) respectable

**22. Scientists have..... a nerve fiber in the brain that carries messages from one cell to another.**

- a) sacrificed
- b) organized
- c) identified
- d) delegated



- a) commence  
c) conceal
- b) convert  
d) conceive

**36. Modern societies appreciate researchers who are the ..... ways to help people about their creativity.**

- a) suppressing  
c) undermining
- b) pursuing  
d) underestimating

**37. The university is to ..... more resources to research and experimental studies.**

- a) indicate  
b) advocate  
c) allocate  
d) replicate

**38. The approach you suggest merely ..... few of the obstacles we might encounter. There are still some more to consider.**

- a) addresses  
c) accomplishes
- b) asserts  
d) maintains

**39. The doctor predicted that the patient would be released from the hospital if no further ..... happen.**

- a) remissions  
c) contradictions
- b) complications  
d) ramifications

**40. Medical conditions such as poor hearing, poor vision and loss of memory are among the ..... of old age.**

- a) superiorities  
c) contributions
- b) priorities  
d) afflictions

1	b	11	a	21	a	31	a
2	d	12	c	22	c	32	b
3	c	13	b	23	d	33	c
4	b	14	a	24	b	34	a
5	d	15	d	25	c	35	b
6	a	16	c	26	b	36	b
7	c	17	a	27	a	37	c
8	b	18	c	28	d	38	a
9	b	19	a	29	c	39	b
10	c	20	d	30	b	40	d

برای ثبت نام کلاس های زبان ارشد و دکترا از راه های زیر با ما در ارتباط باشید:

## Part One: Reading Comprehension

### Directions

*Directions: Read the following passages carefully. Each Passage is followed by some questions. Complete the questions with the most suitable words or phrases (a. b. c. or d).*

Base your answers on the information given in the passage only.

### Passage One

There is extensive international research documenting the ways in which the health status of different age groups is significantly determined by social and economic conditions as well as by therapeutic care or personal health behaviors. Social determinants of health are social and economic conditions that influence health of individuals and communities.

While people of all ages should maintain good health, young people face special challenges as they transit from childhood to adulthood. With the onset of puberty, the body changes to accommodate physical and emotional growth, but it also marks one of the most vulnerable stages in a young person's social life. During this time, females tend to struggle more than males with body images and self-esteem issues which can lead to dangerous eating disorders and even death. On the other hand, substance abuse, depression, self-mutilation and suicide have higher incident rates in males than females and if left untreated, these health concerns may lead to permanent mental and physical damage.

#### 1. According to the passage, childhood to adulthood transition period

- a) happens quite smoothly
- b) is similar to other stages of life
- c) is of special significance
- d) overcomes psychosocial risks easily

#### 2. As the first paragraph indicates, the health of different age groups seems to be .....

- a) a multifactorial phenomenon
- b) mainly determined by therapeutic factors
- c) a therapeutic care issue
- d) limited to economic condition

#### 3. Eating disorders among females at puberty usually..... self-esteem and body image issues common in this period.

- a) lead to
- b) contribute to
- c) result from
- d) differ from

#### 4. Problems like depression and self-mutilation are..... during puberty.

- a) more prevalent among males
- b) more common among females
- c) nowadays less common among both sexes
- d) equally distributed among males and females

#### 5. At puberty, one is .....

- a) particularly immune against social discomforts
- b) more vulnerable to psychosocial hazards
- c) still indifferent to most of social changes
- d) more likely to follow socioeconomic changes

**Passage Two**

Vaccines are apathogenic entities that cause the immune system to respond in such a way that when it encounters the specific pathogen represented by the vaccine, it is able to recognize it and mount a protective immune response, even though the body may not have encountered that particular pathogen before.

Influenza virus has been with mankind for at least 300 years, causing epidemics every few years and pandemics every few decades. They result in 250,000 to 500,000 deaths, and 3-5 million cases of severe illnesses each year worldwide, with 5-15% of the total population becoming infected. Today we have the capability of producing 300 million dose of vaccine per year- enough for current epidemic in the Western world, but insufficient for coping with a pandemic.

The influenza vaccine is effective in preventing disease and death, especially in high risk groups, and in the context of routine vaccination, the World Health Organization reports that the “influenza vaccine is the most effective preventive measure available”. With regard to the present fear of an imminent influenza pandemic, “vaccination and the use of antiviral drugs are the two of the most important response measures for reducing morbidity and mortality during a pandemic.

**6. The immune system is activated if .....**

- a) it encounters the attacking pathogen
- b) the attacking virus is apathogenic
- c) the body has already destroyed the pathogen
- d) it has already shown proper reaction

**7. The underlined “it” (line 2) refers to .....**

- a) specific pathogen
- b) immune system
- c) immune response
- d) apathogenic entity

**8. Influenza viruses can .....**

- a) lead to high morbidity rate worldwide
- b) make the flu vaccine ineffective for some people
- c) equally affect all age groups
- d) last for three hundred years

**9. The vaccines produced today..... the pandemic threat of influenza.**

- a) though insufficient, can eradicate
- b) being preventive, can hardly reduce
- c) has made people get rid of
- d) quantitatively have failed to overcome

**10. The best topic for the third paragraph is .....**

- a) preventive measures of morbidity and mortality
- b) the imminent influenza pandemic
- c) vaccination and the use of antiviral drugs
- d) the preventive effect of flu vaccine

**Passage Three**

It is not uncommon for lowland visitors with a history of High Blood Pressure (HBP) to experience temporarily high blood pressure at high altitude. This occurs even if they are on blood pressure medication and have well controlled blood pressure at sea level. A small percentage of these people will have unusually unstable blood pressure. HBP at altitude usually returns to the baseline blood pressure after 1-2 weeks at altitude.

One explanation for this is due to the higher levels of adrenaline or stress hormones in your body due to lower oxygen levels. The effects of altitude on blood pressure are variable. Some persons with HBP, for instance, develop lower blood pressure on ascent to high altitude. They generally do not need to change their blood pressure medication dosage. Increasing their dosage could result in dangerously low blood pressure upon returning to low altitude. If they are having symptoms from their high blood pressure such as headache, dizziness, chest pain, or shortness of breath, they should seek medical treatment. Occasionally, HBP will need to be treated with medications. Further studies are needed to better understand blood pressure response at altitude and how best to treat it.

**11. It is stated that HBP patients living at sea level may..... when traveling to high altitude.**

- a) experience transient hypertension
- b) experience permanent improvement
- c) adapt to their medical regiment
- d) adapt to the symptoms of HBP

**12. The phrase "these people" (line 4) refers to .....**

- a) patients with a history of high blood pressure
- b) high blood pressure patients living at high altitude
- c) lowland visitors controlling their blood pressure
- d) people going to high altitude to control their hypertension

**13. It is stated that those whose blood pressure rises at high altitude .....**

- a) should take it seriously and return to lowland places immediately
- b) are likely to experience gradual normalization of blood pressure
- c) may suffer hypertension perpetually as long as they are there
- d) probably already have a family history of BHP

**14. If patients with HBP ascend to high altitude and have headache, chest pain, etc., they should**

- a) increase their medication dosage
- b) seek other I IBP symptoms as well
- c) reduce their medication dosage
- d) ask for medical treatment

**15. The underlying cause of HBP at high altitude as provided by the paragraph can be.....**

- a) the absence of pure oxygen
- b) undersecretion of adrenaline
- c) oversecretion of stress hormones
- d) development of poor immune system

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**Passage Four**

Virtual reality therapy has been used to help people with a variety of fears and phobias. The Duke University Virtual Reality' Treatment (VRT) Program offers therapy for anxiety disorders related to fear of heights, elevators, thunderstorm, public speaking and flying. Participants are placed in computer-generated three-dimensional world that gives them a sense of presence in the virtual environment. The experience is guided by a therapist who can interact with them throughout the therapy. Virtual reality therapy has several advantages over recreating experience in real life, including the ability to control the environment, to schedule treatment, to repeat scenarios, and to adjust scenarios to improve treatment. Also, it may have insurance benefits as some insurance will not cover the extended time needed for exposure therapy in person- virtual reality therapy often requires much less time.

Researchers are also using virtual reality in job interview training for people with severe mental illness. These groups of people have very low employment rates and the job interview often presents a major barrier to competitive employment. Research so far is promising. One study of individuals with severe mental illness found that virtual reality job interview training leads to increased job offers and less time searching to employment.

**16. The success of VRT with phobic patients is mainly due to .....**

- a) repeating real scenarios
- b) more interaction with the therapist
- c) recreating real life experience of fear virtually
- d) generation of three-dimensional image visually

**17. As VRT..... for exposure, insurance companies may pay the treatment cost.**

- a) decreases the time needed
- b) can adjust scenarios
- c) extends the time required
- d) can control the virtual experience

**18. The main purpose of the writer is to..... phobic patients.**

- a) explain and approve the role of VRT for
- b) show his concerns about employment of
- c) describe virtual experience of VRT in
- d) illustrate exposure scenario of VRT in

**19. The findings of the study, as stated in the passage, ..... mentally ill patients.**

- a) are promising about the job interview of
- b) show the amount of time required by
- c) are less favorable during the interview for
- d) show that there are fewer jobs for

**20. The passage suggests that VRT..... for phobic patients.**

- a) is conducted without the intervention of a therapist
- b) increases the competitive environment of insurance companies
- c) increases the training time and job opportunities
- d) provides more advantages over real lime experience

**Part Two:  
Vocabulary**

**Direction**

*Complete following sentences by choosing the best answer.*

**21. The physician prescribed some pills to..... his headache.**

- a) cease
- b) promote
- c) elevate
- d) repair

**22. Since he needed to focus on his research project, he..... his administrative responsibilities.**

- a) resumed                      b) postponed                      c) elevated                      d) augmented

**23. Some food items such as sugar and candy..... tooth decay; people are advised to avoid them.**

- a) hinder                      b) promote                      c) prevent                      d) improve

**24. Her parents always worry about her..... to infectious diseases.**

- a) invulnerability                      b) irreversibility  
c) predictability                      d) susceptibility

**25. Besides the use of chemical drugs which help recovery, it is now believed that laughter..... our immune system ability to fight against illnesses.**

- a) enhances                      b) diminishes                      c) neutralizes                      d) suppresses

**26. Reviewing the outcomes of the system provides new..... into understanding its deficiencies.**

- a) modules                      b) incidents                      c) manuals                      d) insights

**27. The temperature in a laboratory must remain..... to obtain accurate results and avoid fluctuations.**

- a) continuous                      b) convenient                      c) constant                      d) complex

**28. The health sector needs ..... people who care for the improvement of the country**

- a) delighted                      b) detained                      c) dedicated                      d) detracted

**29. As soon as a client, with a chronic disease, enters the emergency room, the nurse ..... the plan for providing care.**

- a) hinders                      b) appreciates                      c) postpones                      d) initiates

**30. During the break between the games, she had a drink of water and wiped the ..... off her face and arms with a towel.**

- a) inspiration                      b) perspiration                      c) aspiration                      d) respiration

**31. After data collection and analysis in a research, the suggested hypothesis is either rejected, ..... or accepted.**

- a) confirmed                      b) modified                      c) proposed                      d) neglected

**32. Some painful conditions in the body may be..... psychological disorders.**

- a) diverted from                      b) healed by                      c) attributed to                      d) squeezed in

**33. The fall in blood pressure was of little importance. It was .....**

- a) considerable                      b) invaluable                      c) palpable                      d) negligible

**34. If vision loss has already begun, it may..... to total blindness even after the start of treatment.**

- a) penetrate                      b) subside                      c) congest                      d) advance

**35. The senses of taste and smell work together to enable people to..... flavor.**

- a) maintain                      b) distribute                      c) appreciate                      d) reject

**36. Arteries branch into small passages called arterioles and then into capillaries; the capillaries..... again to bring blood into the venous system.**

- a) diverge                      b) emerge                      c) submerge                      d) merge



**37. Infectious diseases used to be the commonest ..... of mankind and a major source of morbidity and mortality.**

- a) affairs                      b) afflictions                      c) substitutes                      d) enquiries

**38. Compared to other medical specialists, surgeons usually have a stronger..... to recommend surgery as the first line of treatment.**

- a) convention                      b) implication                      c) inclination                      d) reflection

**39. Obesity reduces life..... and predisposes individuals at high risk of developing a variety of systemic diseases.**

- a) awareness                      b) assurance                      c) exposure                      d) expectancy

**40. Recent interventions recommended by WHO served as a/an..... measure to prevent the spread of the disease.**

- a) suppressive                      b) challenging                      c) prophylactic                      d) conflicting

1	c	11	a	21	a	31	b
2	a	12	c	22	b	32	c
3	c	13	b	23	b	33	d
4	a	14	d	24	d	34	d
5	b	15	c	25	a	35	c
6	a	16	c	26	d	36	d
7	b	17	a	27	c	37	b
8	a	18	a	28	c	38	c
9	d	19	a	29	b	39	d
10	d	20	d	30	b	40	c

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